

Oil Field Environmental Incident Summary

Incident: 20140908201145 **Date/Time of Notice:** 09/08/2014 20:11

Responsible Party: LEGACY CORINTHIAN EXPLORATION (USA) CORP

Well Operator: CORINTHIAN EXPLORATION (USA) CORP

Well Name: CLARA MOEN 1-33

Field Name: NORTH SOURIS

Well File #: 1038

Date Incident: 9/6/2014 **Time Incident:** 09:30

Facility ID Number:

County: BOTTINEAU

Twp: 164

Rng: 77

Sec: 33

Qtr:

Location Description:

Submitted By: Brad Caldwell

Received By:

Contact Person: Jim Gordon
4400, 525-8TH AVENUE SW
CALGARY, AB T2P 1g1

General Land Use: Well/Facility Site

Affected Medium: Soil and Water

Distance Nearest Occupied Building:

Distance Nearest Water Well:

Type of Incident Tank Leak

Release Contained in Dike Yes - On Facility Site

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
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Oil

Brine	70	Barrels
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Other

Description of Other Released Contaminant:

Inspected:

Written Report Received:

Clean Up Concluded:

Risk Evaluation:

No immediate risks

Areal Extent:

Potential Environmental Impacts:

Spill was contained on lease and in overflow dugout.

Action Taken or Planned:

Contaminated soils were scrapped up and removed 10 cu yards. Free fluid was sucked up.

Wastes Disposal Location: Fluid was disposed of in the Clara SWD. Contaminated Soil hauled to Clean Harbours, Sawyer, ND

Agencies Involved:**Updates**

Date: 9/9/2014**Status:** Reviewed; Followup Required**Author:** Stockdill, Scott**Updated Oil Volume:****Updated Salt Water Volume:****Updated Other Volume:****Updated Other Contaminant****Notes:**

According to the incident summary, this spill may have possibly impacted areas off of location. Followup is necessary.

Date: 10/11/2014 **Status:** Inspected; More Followup Required **Author:** Wax, Pete

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

On site 8:20, off site 10:20, Mostly cloudy, wind light NNW, 42 degrees. Nearest water is intermittent drainage approximately 30 meters north. An estimated 70-barrel source water spill caused by tanker pulling out without unhooking. Site has an old overflow pit designed to capture accidental releases with a float-activated alarm (photos). The alarm did not function, or the water level in the pit did not reach high enough to activate. Current grade to road prevented the system from operating correctly. An unknown percentage of the source water was diverted by the grade along the south side of the access road and then north through a culvert and into the intermittent drainage to the north (photos). Collected four conductivity readings in the intermittent drainage from directly north of the culvert to approximately 200 meters downstream (west) at 50- to 60-meter intervals, at which point no more standing water could be located. Conductivity readings in mS in downstream order are 9.33, 5.16, 5.98, and 12.18. Collected water quality samples at two locations. Cleanup to date has been to pump out the overflow pit and the south side of the access road ditch. It also appears that soil was removed, replaced or reshaped in south road ditch. Cattails in overflow pit. Conductivity in overflow pit 10.33 mS.

Date: 9/19/2014 **Status:** Phone/Email Contact **Author:** Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Conference call with report contact. Recommended that the company pump out the remaining fluid in the overflow pit and pump out water-filled scour holes within the drainage. Also requested a plan from the company on identifying the extent of impact.

Date: 12/24/2014 **Status:** Inspected; More Followup Required **Author:** Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location 12/22/14.

Remediation of the spill that occurred on 9/6/2014 is complete. Impacted material has been excavated, and the area has been filled to grade with clean material. Environmental consultant has submitted a report.

More followup is necessary at the site.

Date: 3/23/2015 **Status:** Phone/Email Contact

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received proposed sampling plan for site.

Date: 5/8/2015 **Status:** Phone/Email Contact

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received sampling results for site.

Date: 9/15/2015 **Status:** Phone/Email Contact

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received email from consultant. Seasonal sampling has been completed, and results will be sent to the NDDoH once the report is ready.